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34704-673

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 30 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

J. Allen Dunlap III
WILLIAM M. MAHLBURG
AGENT FOR: PLATTE CHEMICAL CO., INC.
BOX 667
GREELEY, CO 80632

Subject: Label Amendment Submission of 11/01/93 in Response to PR Notice 93-7
EPA Reg. No. 34704-673
LINDANE 400 UNDYED FLOWABLE LIQUID

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

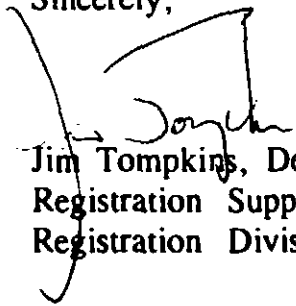
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

RESTRICTED USE PESTICIDE

The use of this product may be hazardous to your health. This product contains lindane, which has been determined to cause tumors in laboratory animals. Risks can be reduced by closely following the use directions and precautions, and by wearing the protective clothing specified elsewhere on this label. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



LINDANE 400 UNDYED

Flowable Liquid

ACTIVE INGREDIENT:	By Wt.
LINDANE: (Gamma Isomer of Benzene Hexachloride)	40.0%
INERT INGREDIENTS:	60.0%
TOTAL 100.0%	

CONTAINS 4.2 LBS. LINDANE PER GALLON

FOR AGRICULTURAL USE ONLY

KEEP OUT OF REACH OF CHILDREN
WARNING — AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See Below For Additional Precautionary Statements.
STIR THOROUGHLY TO MIX CONTENTS BEFORE USING

EPA REG. NO. 34704-673

EPA EST. NO. _____

NET CONTENTS _____ GAL. (_____ L)
WPSEXP10Y93

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Causes eye and skin irritation. Do not contaminate food and feedstuffs.

This product must be applied in a well-ventilated area. Personal Protective Equipment

Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) — in general, agricultural plant uses are covered — must wear coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical resistant footwear plus socks, protective eyewear, chemical resistant headgear for overhead exposure and chemical resistant apron when cleaning equipment in and around the area. For exposures in enclosed areas a respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number pre-1-C-146) or a canister approved for pesticides (MSHA/NIOSH approval number pre-1-C-146). For exposures outdoors use a mist filter respirator (MSHA/NIOSH approval number pre-1-C-216).

Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) — in general, only agricultural plant uses are covered by the WPS — must wear a long-sleeved shirt and long pants, gloves and a disposable paper mask which covers at least one third of the face. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements: The closed systems or enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.246(c)(4)). The handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:
Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, birds, and other wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

Exposed treated seed may be hazardous to birds and other wildlife. Dispose of excess treated seed by burial away from bodies of water. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a Physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.
If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.
If On Skin: Remove contaminated clothing and wash affected areas with soap and water.
If In Eyes: Immediately flush eyes with plenty of water. Call a physician immediately.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all directions before using and use only as specified on this label.
Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (40 CFR part 170). This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.
Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

PROPOSED LABEL

BEST AVAILABLE COPY

ACCEPTED with COMMENTS in EPA Letter Dated

MAY 30 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act
Registered under EPA Reg. No. 34704-673

BEST AVAILABLE COPY

LINDANE 400 UNDYED
EPA REG. NO. 34704-673

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Keep children and pets out of the treated area until sprays have dried.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in cool, dry place. Do not allow to freeze or become overheated. Store away from food or feed, in an area designated for pesticides. Store in original container only. Keep container tightly closed when not in use. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:** Completely empty the container by shaking and tapping sides and bottom to loosen clinging particles, thereby dispensing the entire contents of the can only as directed by the label. Dispose of container in a sanitary landfill or by incineration if allowed by State and local authorities. If burned, stay out of smoke. **CONTAINER DISPOSAL:** Plastic pail - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

This product is formulated to protect seeds against wireworms, seed corn maggots and certain other soil-borne insects. It may be used in liquid or slurry treaters and the entire container should be mixed thoroughly and used at one time. Do not combine colloidal suspension, wettable powders, or emulsifiable concentrates unless previous experience assures compatibility. This product contains effective binding agents to hold the Lindane on the seed during sacking, storing, and planting.

For **SLURRY TREATMENT**, apply in a slurry-type treater specifically designed and approved for that purpose or apply by hand in any suitable mixing equipment, such as home made rotary drums.

Thoroughly mix the recommended amount of this product into the required amount of water for the slurry treater equipment and dilution rate to be used. Clean equipment thoroughly between treating operations. **DO NOT CONTAMINATE WATER WHEN DISPOSING OF EQUIPMENT WASHWATER.**

IMPORTANT—Be certain treated seeds are completely dry before sacking or storing. Store all treated seed in a cool, dry place.

SEED TREATMENT DOSAGE RATES

Type of Seed	Fluid Ounces per 100 pounds
Alfalfa, Clover	1-1 1/2 fl. oz.
Barley	1 fl. oz.
Bears	
Bush Snap and all others except Limas	1/2 fl. oz.
Baby Bush Limas	1/2 fl. oz.
Standard and Fordhook Large Limas	1/2 fl. oz.
Cabbage, Cauliflower, Broccoli,	
Brussels Sprouts, Radish	1-1 1/2 fl. oz.
Cantaloupe, Cucumber, Watermelon, Squash	
Pumpkin	2-3 fl. oz.
Carrots, Onions	2 fl. oz.
Corn	2 1/2 fl. oz.
Cotton	
Acid Delinted	3 3/4-4 fl. oz.
Machine Delinted	3 3/4-4 fl. oz.
Fuzzy, Undelinted	4-4 1/2 fl. oz.
Flax	1-1 1/2 fl. oz.
Lentils	1 3/4-2 1/2 fl. oz.
Milo	2-3 fl. oz.
Okra	2-3 fl. oz.
Lettuce	2-2 1/2 fl. oz.
Oats	1-1 1/2 fl. oz.
Peas	1 3/4-2 fl. oz.
Rye	3/4-1 fl. oz.
Safflower	3/4-1 fl. oz.
Soybean	1-1 1/2 fl. oz.
Spinach, Sunflower	2-2 1/2 fl. oz.
Sudan grass	3/4-1 fl. oz.
Wheat	3/4-1 1/4

SEED TREATMENT: Do not use treated seed for food, feed, or oil pur-

poses. Treated seed should be labeled in accord with all the applicable requirements of the Federal Seed Act. The Federal Seed Act requires that seed treated with a pesticide must contain a dye which imparts an unnatural color to the seed if the seed is intended to be moved in interstate commerce. Labels attached to treated seed must state, "Treated seed must not be used for food, feed or oil purposes" and, "Exposed treated seed may be hazardous to birds and other wildlife. Dispose of excess treated seed by burial away from bodies of water." Only seed of high germination with good vigor should be treated with lindane. Poor seed may suffer greater injury. Treat seed not over 6 weeks before planting. Store treated seed in a dry place until planted so that excess moisture will evaporate. If seed is stacked when wet, heat may develop which could impair germination.

RESTRICTED USE PESTICIDE

For application only by or under the direct supervision of a certified applicator.

AERIAL APPLICATION OF LINDANE IS PROHIBITED. DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE IRRIGATION SYSTEM.

LIVESTOCK BARN, SHEDS - Flies (including house fly and stable fly) Use 1 quart LINDANE 400 in 100 gallons water. Keep spray mix well agitated. Apply 1 gallon spray mix per 1,000 square feet. For Flies, apply as a coarse spray to walls, ceilings, beams, screen, window frames, partitions, and similar places where pests congregate. Repeat as needed. Applications may be made to interior or exterior surfaces, adjacent fences, and weedy foliage. Do not allow livestock to graze treated foliage. Do not use this product on animals.

DO NOT USE IN DAIRY BARN, MILKROOMS OR POULTRY HOUSES. COVER FEED AND WATER TROUGHS BEFORE SPRAYING OR WASH THOROUGHLY WITH A PRESSURE HOSE BEFORE SPRAY DEPOSIT DRIES. REMOVE ANIMALS PRIOR TO APPLICATION.

GENERAL WARNINGS AND LIMITATIONS (Agricultural Crops)

Apply when pests first appear in threatening numbers and repeat at regular day intervals or as needed, unless otherwise specified. Consult your State Agricultural Extension Service for additional information on compatibility, dosage, timing, and uses. Do not plant any food or feed crop in rotation after a field treatment with lindane unless it is registered use for lindane.

APPLE - Aphids (including rosy apple aphid) - Mix 2/3 pint LINDANE 400 in 100 gallons water (0.35#/100 gal.) (or 1 fluid ounce in 10 gallons of water.) For foliar application, apply a minimum of 300 gallons of water per acre (1.0#/A). Spray trees to point of run-off. For rosy apple aphid, apply as late as petal fall. Do not apply after first cover as off flavor may result.

CHERRY - Aphids - Mix 1/3 pint LINDANE 400 in 100 gallons of water (0.18#/100 gal.) (or 1/2 fluid ounce in 10 gallons of water) for foliar application. Do not apply to foliage or fruit after fruit starts to form.

GRAPES - Grape phylloxera - Use 1 quart LINDANE 400 per acre in sufficient water for thorough coverage (1.0#/A). Make foliar application. Apply when galls first appear on leaves and repeat in 7 to 10 days. Do not use later than 1 month after bloom.

PEARS - Aphids - Mix 2/3 pint LINDANE 400 in 100 gallons of water (0.35#/100 gal.) (or 1 fluid ounce in 10 gallons of water). Make foliar application. Do not use within 60 days of harvest.

PLUM, PRUNE - Aphids - Mix 2/3 pint LINDANE 400 in 100 gallons of water (0.35#/100 gal.). Make thorough coverage by foliar application. Do not use within 60 days of harvest.

NOTE: All applications - Do not graze livestock on cover crops beneath treated trees.

ORNAMENTALS, GREENHOUSE ORNAMENTALS, NURSERY PLANTS - Aphids (including rose aphid), Flea beetles (including larvae), Grasshoppers, Lace Bugs, Leafminers (including birch leafminer, boxwood leafminer, and oak leafminer), Leafhoppers, Plant bugs (including four lined plant bug and tarnished plant bug), Psyllids, Thrips - Mix 6 fluid ounces per 100 gallons of water (0.6 oz. in 10 gallons of water). Spray for thorough coverage of both plant and insect. Repeat at 7 to 10 day intervals or as needed.

CAUTION: Lindane is toxic to some plants and ornamentals. Use with care and check with local authorities for specific use recommendations.

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER. EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

FORMULATED FOR
PLATTE CHEMICAL CO.

150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697

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